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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/692,323

Applicant(s)

ALCAZAR ET AL.

Examiner

Qing Chen

Art Unit

2191

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 February 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 27-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 27-46 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/US)
Paper No(s)/Mail Date 20080211
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. This Office action is in response to the amendment filed on February 11, 2008.
2. **Claims 27-46** are pending.
3. **Claims 27-46** have been amended.
4. **Claims 1-26** have been cancelled.
5. The objection to the drawings is withdrawn in view of Applicant's arguments.
6. The objections to Claims 27, 28, and 30-45 are withdrawn in view of Applicant's amendments to the claims. However, Applicant's amendments to the claims fail to address the objections to Claims 29 and 46 due to improper antecedent bases. Accordingly, these objections are maintained and further explained below.
7. The 35 U.S.C. § 112, second paragraph, rejections of Claims 27-46 are withdrawn in view of Applicant's amendments to the claims.
8. The 35 U.S.C. § 101 rejections of Claims 27-46 are withdrawn in view of Applicant's amendments to the claims.
9. It is noted that Claims 27, 45, and 46 contain proposed amendments that are submitted without the proper markings to indicate the changes that have been made.

Response to Amendment

Claim Objections

10. **Claims 27-46** are objected to because of the following informalities:
 - **Claim 27** contains a typographical error: "[E]nablethe application" should read --enable the application --.

- **Claims 27-46** contain a typographical error: "A/The computer readable storage media" should read -- A/The computer readable storage *medium* --.
 - **Claim 29** recites the limitation "the application program interface." Applicant is advised to change this limitation to read "the computer-implemented API" for the purpose of providing it with proper explicit antecedent basis.
 - **Claim 46** recites the limitation "the API." Applicant is advised to change this limitation to read "the computer-implemented API" for the purpose of providing it with proper explicit antecedent basis.
- Appropriate correction is required.

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. **Claims 27-31, 34, 36-39, and 42-44** are rejected under 35 U.S.C. 103(a) as being unpatentable over US 7,062,567 (hereinafter "**Benitez**") in view of US 6,442,754 (hereinafter "**Curtis**").

As per **Claim 27**, Benitez discloses:

- invoke a deployment manifest to obtain manifest metadata about an application for the purpose of installing the application on a client computing system (see Column 9: 60-67, “e. Application File Pages 111—This is the one of the outputs of the “builder” as explained below and is put on the Application Server 107 so that it can serve the appropriate bits to the client. f. Stream App Install Blocks 112—This is the other output of the “builder” and contains the information for successfully installing applications on the client for streaming applications.”; Column 14: 15-19, “Whenever the user chooses to install an application, the Client License Manager 608 passes the request to the Client Application Installer 607 along with the name of the Stream App Install Block to be obtained from the Application Server 107.”);

- receive the manifest metadata about the application (see Column 14: 27-32, “The Application Stream Builder creates the Stream App Install Block 405 used to set up a client system for Streaming Application Delivery and Execution and it also creates the set of Application File Pages 406 sent to satisfy client requests by the Application Server 107.”);

- determine whether the application is authorized for installation on the client computing system (see Column 13: 57-67, “The License Server 106 checks the Subscription 101 and License 102 Databases and, if the user has the right to hold the license at the current time, it sends back an Access Token, which represents the right to use the license.”); and

- enable the application to be installed on the client computing system, wherein during the enabled installation, the application is available for use while being installed (see Column 12: 6-21, “Client Application Installer 305—This component is invoked when the application needs to be installed. The Client Application Installer 305 sends a specific request to the Application Server 107 for getting the Stream App Install Block 301 for the particular application that needs

to be installed.”; Column 15: 58-63, “The streaming file system allows applications to be run immediately by retrieving application file contents from the server as they are needed, not as the application is installed. This removes the download cost penalty of doing local installations of the application.”).

However, Benitez does not disclose:

- issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system; and
- receive the install state of the necessary platform present on the client computing system.

Curtis discloses:

- issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system (*see Column 3: 61-67, “The program then executes the operating system command to determine whether the dependent components indicated in the dependency objects are installed in the computer.”*); and
- receive the install state of the necessary platform present on the client computing system (*see Column 3: 61-67, “An indication is made as to the dependent components that are not installed after determining that dependent components are not installed.”*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Curtis into the teaching of Benitez to include issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system; and receive the install state of the necessary platform present on the client computing system. The modification would

be obvious because one of ordinary skill in the art would be motivated to implement all the depending programs' features and functions (see Curtis – Column 3: 39-44).

As per **Claim 28**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the manifest metadata includes information sufficient to describe the application (see Column 9: 60-67, “e. Application File Pages 111—This is the one of the outputs of the "builder" as explained below and is put on the Application Server 107 so that it can serve the appropriate bits to the client. f. Stream App Install Blocks 112—This is the other output of the "builder" and contains the information for successfully installing applications on the client for streaming applications.”; Column 14: 15-19, “Whenever the user chooses to install an application, the Client License Manager 608 passes the request to the Client Application Installer 607 along with the name of the Stream App Install Block to be obtained from the Application Server 107.”).

As per **Claim 29**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the computer-implemented API receives a parameter that identifies the application (see Column 9: 60-67, “e. Application File Pages 111—This is the one of the outputs of the "builder" as explained below and is put on the Application Server 107 so that it can serve the appropriate bits to the client. f. Stream App Install Blocks 112—This is the other output of the "builder" and contains the information for successfully installing applications on the client

for streaming applications.”; Column 14: 15-19, “Whenever the user chooses to install an application, the Client License Manager 608 passes the request to the Client Application Installer 607 along with the name of the Stream App Install Block to be obtained from the Application Server 107.”).

As per **Claim 30**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the computer-implemented API invokes a deployed application identity to obtain the manifest metadata about the application (*see Column 9: 60-67, “e. Application File Pages 111—This is the one of the outputs of the “builder” as explained below and is put on the Application Server 107 so that it can serve the appropriate bits to the client.f. Stream App Install Blocks 112—This is the other output of the “builder” and contains the information for successfully installing applications on the client for streaming applications.”; Column 14: 15-19, “Whenever the user chooses to install an application, the Client License Manager 608 passes the request to the Client Application Installer 607 along with the name of the Stream App Install Block to be obtained from the Application Server 107.”).*

As per **Claim 31**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the computer-implemented API invokes both a deployment manifest and a deployed application identity to obtain the manifest metadata about the application (*see Column 9: 60-67, “e. Application File Pages 111—This is the one of the outputs of the “builder” as*

explained below and is put on the Application Server 107 so that it can serve the appropriate bits to the client. f. Stream App Install Blocks 112—This is the other output of the "builder" and contains the information for successfully installing applications on the client for streaming applications.”; Column 14: 15-19, “Whenever the user chooses to install an application, the Client License Manager 608 passes the request to the Client Application Installer 607 along with the name of the Stream App Install Block to be obtained from the Application Server 107.”).

As per **Claim 34**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the computer-implemented API will generate a set of authorization parameters for an authorized application (*see Column 13: 57-67, “The License Server 106 checks the Subscription 101 and License 102 Databases and, if the user has the right to hold the license at the current time, it sends back an Access Token, which represents the right to use the license.”*).

As per **Claim 36**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the platform comprises one or more software modules upon which the application depends that are not part of the application (*see Column 7: 7-22, “... there are certain shared library files, e.g., "foo.dll", that need to be installed on the local file system, e.g., "c:\winnt\system32\foo.dll", for the application to execute.”*).

As per **Claim 37**, the rejection of **Claim 36** is incorporated; and Benitez further discloses:

- wherein the platform further comprises one or more software modules that cannot be installed as part of the installation of the application (*see Column 7: 7-22, "For the previous example, the spoof database would contain an entry saying that "c:\winnt\system32\foo.dll" is mapped to "z:\word\winnt\system32\foo.dll" where "z:" implies that this file is accessed by the Client Streaming File System. The Client Spoofer will then redirect all accesses to "c:\winnt\system32\foo.dll" to "z:\word\winnt\system32\foo.dll". In this manner, the client system gets the effect of the file being on the local machine whereas in reality the file is streamed from the server."*).

As per **Claim 38**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the platform is identified in an application manifest associated with the application (*see Column 7: 7-9, "The invention employs a Client Streaming File System that is used to manage specific application-related file accesses during the execution of an application."*).

As per **Claim 39**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the computer-implemented API includes verifying a version associated with the platform (*see Column 17: 23-33, "If certain code segments need to be updated, then the code*

segment listing in the application root directory is simply changed and the new code segment subdirectory added. This results in the new and correct code segment subdirectory being read when it is referenced.”).

As per **Claim 42**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the determination of the authorization comprises determining whether the installation of the application violates a license associated with the application (*see Column 13: 57-67, “The License Server 106 checks the Subscription 101 and License 102 Databases and, if the user has the right to hold the license at the current time, it sends back an Access Token, which represents the right to use the license.”).*

As per **Claim 43**, the rejection of **Claim 27** is incorporated; and Benitez further discloses:

- wherein the computer-implemented API includes determining if a version of the application already exists on the client computing system (*see Column 21: 17-28, “When retrieving an old file that hasn't changed, it will find the old file identifier, which can be used for the existing files in the cache. In this way, files that do not change can be reused from the cache without downloading them again.”).*

As per **Claim 44**, the rejection of **Claim 43** is incorporated; and Benitez further discloses:

- wherein the computer-implemented API includes downloading at least one resource associated with the application if the application does not exist on the client computing system (see Column 14: 15-26, “The Client Application Installer 607 opens and reads that file (which engages the Client Streaming File System) and updates the Client system appropriately, including setting up the spoof database, downloading certain needed non-application-specific files, modifying the registry file, and optionally providing a list of applications pages to be prefetched to warm up the Client Stream Cache 611 with respect to the application.”).

13. **Claims 32 and 33** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Benitez** in view of **Curtis** as applied to Claim 27 above, and further in view of **US 6,496,979** (hereinafter “**Chen**”).

As per **Claim 32**, the rejection of **Claim 27** is incorporated; however, Benitez and Curtis do not disclose:

- wherein the computer-implemented API will abort the installation of the application if the platform is not present.

Chen discloses:

- wherein the computer-implemented API will abort the installation of the application if the platform is not present (see Column 11: 43-51, “... the installer module 99 can provide an indication to the user that the setup package file contains files that were compiled for a mobile device different than the current one and let the user continue or cancel the installation.”).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Chen into the teaching of Benitez to include wherein the computer-implemented API will abort the installation of the application if the platform is not present. The modification would be obvious because one of ordinary skill in the art would be motivated to resolve problems before the application setup program is in its final product state (*see Chen – Column 2: 21-28*).

As per **Claim 33**, the rejection of **Claim 32** is incorporated; however, Benitez and Curtis do not disclose:

- wherein the computer-implemented API will return error information in conjunction with aborting the installation of the application.

Chen discloses:

- wherein the computer-implemented API will return error information in conjunction with aborting the installation of the application (*see Column 10: 55-61, "... determines that the map viewer is not installed and displays an error message ..."*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Chen into the teaching of Benitez to include wherein the computer-implemented API will return error information in conjunction with aborting the installation of the application. The modification would be obvious because one of ordinary skill in the art would be motivated to provide debugging information.

14. **Claim 35** is rejected under 35 U.S.C. 103(a) as being unpatentable over **Benitez** in view of **Curtis** as applied to Claim 34 above, and further in view of **US 6,931,546 (hereinafter “Kouznetsov”)** and **US 2002/0104015 (hereinafter “Barzilai”)**.

As per **Claim 35**, the rejection of **Claim 34** is incorporated; and Benitez further discloses:

- wherein the set of authorization parameters comprise at least license keys (*see Column 13: 57-67, “The License Server 106 checks the Subscription 101 and License 102 Databases and, if the user has the right to hold the license at the current time, it sends back an Access Token, which represents the right to use the license.”*).

However, Benitez and Curtis do not disclose:

- wherein the set of authorization parameters comprise at least permission grants and privacy policy guarantees.

Kouznetsov discloses:

- wherein the set of authorization parameters comprises at least permission grants (*see Column 4: 35-38, “The agent includes methods for authenticating any received requests and will only forward a request to the privileged process upon determining that the requesting application has sufficient trust.”*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Kouznetsov into the teaching of Benitez to include wherein the set of authorization parameters comprises at least permission grants. The

modification would be obvious because one of ordinary skill in the art would be motivated to provide additional means of access authorization for the software programs.

Barzilai discloses:

- wherein the set of authorization parameters comprises at least privacy policy guarantees (see Paragraph [0072], “An application request handler 50 receives and processes information requests from application 36 and returns information that is provided by personal information engine 44, to the extent permitted by privacy policies.”).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Barzilai into the teaching of Benitez to include wherein the set of authorization parameters comprises at least privacy policy guarantees. The modification would be obvious because one of ordinary skill in the art would be motivated to provide additional means of access authorization for the software programs.

15. **Claim 40** is rejected under 35 U.S.C. 103(a) as being unpatentable over **Benitez** in view of **Curtis** as applied to Claim 27 above, and further in view of **Kouznetsov**.

As per **Claim 40**, the rejection of **Claim 27** is incorporated; however, Benitez and Curtis do not disclose:

- wherein the determination of the authorization comprises determining whether the installation of the application exceeds a trust level associated with a source of the application.

Kouznetsov discloses:

- wherein the determination of the authorization comprises determining whether the installation of the application exceeds a trust level associated with a source of the application (see Column 4: 35-38, “The agent includes methods for authenticating any received requests and will only forward a request to the privileged process upon determining that the requesting application has sufficient trust.”).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Kouznetsov into the teaching of Benitez to include wherein the determination of the authorization comprises determining whether the installation of the application exceeds a trust level associated with a source of the application. The modification would be obvious because one of ordinary skill in the art would be motivated to guard access to privileged processes (see Kouznetsov – Column 3: 43-44).

16. **Claim 41** is rejected under 35 U.S.C. 103(a) as being unpatentable over **Benitez** in view of **Curtis** as applied to Claim 27 above, and further in view of **Barzilai**.

As per **Claim 41**, the rejection of **Claim 27** is incorporated; however, Benitez and Curtis do not disclose:

- wherein the determination of the authorization comprises determining whether the installation of the application violates a privacy policy associated with the client computing system.

Barzilai discloses:

- wherein the determination of the authorization comprises determining whether the installation of the application violates a privacy policy associated with the client computing system (*see Paragraph [0072], "An application request handler 50 receives and processes information requests from application 36 and returns information that is provided by personal information engine 44, to the extent permitted by privacy policies."*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Barzilai into the teaching of Benitez to include wherein the determination of the authorization comprises determining whether the installation of the application violates a privacy policy associated with the client computing system. The modification would be obvious because one of ordinary skill in the art would be motivated to protect private information (*see Barzilai – Paragraph [0004]*).

17. **Claim 45** is rejected under 35 U.S.C. 103(a) as being unpatentable over **Benitez** in view of **Curtis and Chen**.

As per **Claim 45**, Benitez discloses:

- invoke a deployment manifest to obtain manifest metadata about an application for the purpose of installing the application on a client computing system (*see Column 9: 60-67, "e. Application File Pages 111—This is the one of the outputs of the "builder" as explained below and is put on the Application Server 107 so that it can serve the appropriate bits to the client. f. Stream App Install Blocks 112—This is the other output of the "builder" and contains the information for successfully installing applications on the client for streaming applications."*;

Column 14: 15-19, “Whenever the user chooses to install an application, the Client License Manager 608 passes the request to the Client Application Installer 607 along with the name of the Stream App Install Block to be obtained from the Application Server 107.”;

- receive the manifest metadata about the application (see *Column 14: 27-32, “The Application Stream Builder creates the Stream App Install Block 405 used to set up a client system for Streaming Application Delivery and Execution and it also creates the set of Application File Pages 406 sent to satisfy client requests by the Application Server 107.”;*

- determine whether the application is authorized for installation on the client computing system (see *Column 13: 57-67, “The License Server 106 checks the Subscription 101 and License 102 Databases and, if the user has the right to hold the license at the current time, it sends back an Access Token, which represents the right to use the license.”;* and

- enable the application to be installed on the client computing system, wherein during the enabled installation, the application is available for use while being installed (see *Column 12: 6-21, “Client Application Installer 305—This component is invoked when the application needs to be installed. The Client Application Installer 305 sends a specific request to the Application Server 107 for getting the Stream App Install Block 301 for the particular application that needs to be installed.”; Column 15: 58-63, “The streaming file system allows applications to be run immediately by retrieving application file contents from the server as they are needed, not as the application is installed. This removes the download cost penalty of doing local installations of the application.”).*

However, Benitez does not disclose:

- issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system, wherein the installation of the application is aborted if the platform is not present and error information is returned in conjunction with aborting the installation of the application; and
- receive the install state of the necessary platform present on the client computing system.

Curtis discloses:

- issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system (*see Column 3: 61-67, "The program then executes the operating system command to determine whether the dependent components indicated in the dependency objects are installed in the computer."*); and
- receive the install state of the necessary platform present on the client computing system (*see Column 3: 61-67, "An indication is made as to the dependent components that are not installed after determining that dependent components are not installed."*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Curtis into the teaching of Benitez to include issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system; and receive the install state of the necessary platform present on the client computing system. The modification would be obvious because one of ordinary skill in the art would be motivated to implement all the depending programs' features and functions (*see Curtis – Column 3: 39-44*).

Chen discloses:

- wherein the installation of the application is aborted if the platform is not present and error information is returned in conjunction with aborting the installation of the application (*see Column 10: 55-61, "... determines that the map viewer is not installed and displays an error message ..."; Column 11: 43-51, "... the installer module 99 can provide an indication to the user that the setup package file contains files that were compiled for a mobile device different than the current one and let the user continue or cancel the installation."*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Chen into the teaching of Benitez to include wherein the installation of the application is aborted if the platform is not present and error information is returned in conjunction with aborting the installation of the application. The modification would be obvious because one of ordinary skill in the art would be motivated to resolve problems before the application setup program is in its final product state (*see Chen – Column 2: 21-28*).

18. **Claim 46** is rejected under 35 U.S.C. 103(a) as being unpatentable over **Benitez** in view of **Curtis, Kouznetsov, and Barzilai**.

As per **Claim 46**, Benitez discloses:

- invoke a deployment manifest to obtain manifest metadata about an application for the purpose of installing the application on a client computing system (*see Column 9: 60-67, "e. Application File Pages 111—This is the one of the outputs of the "builder" as explained below and is put on the Application Server 107 so that it can serve the appropriate bits to the client.f.*

Stream App Install Blocks 112—This is the other output of the "builder" and contains the information for successfully installing applications on the client for streaming applications.”;

Column 14: 15-19, “Whenever the user chooses to install an application, the Client License Manager 608 passes the request to the Client Application Installer 607 along with the name of the Stream App Install Block to be obtained from the Application Server 107.”;

- receive the manifest metadata about the application (see *Column 14: 27-32, “The Application Stream Builder creates the Stream App Install Block 405 used to set up a client system for Streaming Application Delivery and Execution and it also creates the set of Application File Pages 406 sent to satisfy client requests by the Application Server 107.”;*)

- determine whether the application is authorized for installation on the client computing system, wherein the computer-implemented API will generate a set of authorization parameters for an authorized application comprising at least license keys (see *Column 13: 57-67, “The License Server 106 checks the Subscription 101 and License 102 Databases and, if the user has the right to hold the license at the current time, it sends back an Access Token, which represents the right to use the license.”;*) and

- enable the application to be installed on the client computing system, wherein during the enabled installation, the application is available for use while being installed (see *Column 12: 6-21, “Client Application Installer 305—This component is invoked when the application needs to be installed. The Client Application Installer 305 sends a specific request to the Application Server 107 for getting the Stream App Install Block 301 for the particular application that needs to be installed.”;* *Column 15: 58-63, “The streaming file system allows applications to be run immediately by retrieving application file contents from the server as they are needed, not as the*

application is installed. This removes the download cost penalty of doing local installations of the application.”).

However, Benitez does not disclose:

- issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system;
- receive the install state of the necessary platform present on the client computing system;
- wherein the computer-implemented API will generate a set of authorization parameters for an authorized application comprising at least permission grants and privacy policy guarantees.

Curtis discloses:

- issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system (*see Column 3: 61-67, “The program then executes the operating system command to determine whether the dependent components indicated in the dependency objects are installed in the computer.”*); and
- receive the install state of the necessary platform present on the client computing system (*see Column 3: 61-67, “An indication is made as to the dependent components that are not installed after determining that dependent components are not installed.”*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Curtis into the teaching of Benitez to include issue a query of an install state of the client computing system to determine whether a platform necessary to the application is present on the client computing system; and receive the install

state of the necessary platform present on the client computing system. The modification would be obvious because one of ordinary skill in the art would be motivated to implement all the depending programs' features and functions (see Curtis – Column 3: 39-44).

Kouznetsov discloses:

- wherein the computer-implemented API will generate a set of authorization parameters for an authorized application comprising at least permission grants (see Column 4: 35-38, “The agent includes methods for authenticating any received requests and will only forward a request to the privileged process upon determining that the requesting application has sufficient trust.”).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Kouznetsov into the teaching of Benitez to include wherein the computer-implemented API will generate a set of authorization parameters for an authorized application comprising at least permission grants. The modification would be obvious because one of ordinary skill in the art would be motivated to provide additional means of access authorization for the software programs.

Barzilaj discloses:

- wherein the computer-implemented API will generate a set of authorization parameters for an authorized application comprising at least privacy policy guarantees (see Paragraph [0072], “An application request handler 50 receives and processes information requests from application 36 and returns information that is provided by personal information engine 44, to the extend permitted by privacy policies.”).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Barzilaj into the teaching of Benitez to include wherein the computer-implemented API will generate a set of authorization parameters for an authorized application comprising at least privacy policy guarantees. The modification would be obvious because one of ordinary skill in the art would be motivated to provide additional means of access authorization for the software programs.

Response to Arguments

19. Applicant's arguments with respect to Claims 27, 45, and 46 have been considered, but are moot in view of the new ground(s) of rejection.

Conclusion

20. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Qing Chen whose telephone number is 571-270-1071. The Examiner can normally be reached on Monday through Thursday from 7:30 AM to 4:00 PM. The Examiner can also be reached on alternate Fridays.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Wei Zhen, can be reached on 571-272-3708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/QC/
March 24, 2008

/Wei Zhen/

Supervisory Patent Examiner, Art Unit 2191